

Note to Designer:
The information presented in this Standard Detail has been prepared in accordance with recognized engineering principles and is for general use. It should not be used for specific application without competent professional examination and verification of its suitability and applicability by a licensed professional engineer. Contents within the inner border line shall not be altered.

NO.	DESCRIPTION OF REVISIONS	MADE BY	DATE
1	Original Issue		7-12
2			
3			
4			

STEEL LIST

Mark	Qty	Dia.	90° Dia.		96° Dia.		102° Dia.		108° Dia.		114° Dia.		120° Dia.		126° Dia.		132° Dia.		138° Dia.		144° Dia.										
			No	Size	Lgth	No	Size	Lgth	No	Size	Lgth	No	Size	Lgth	No	Size	Lgth	No	Size	Lgth	No	Size	Lgth								
a1	A	3	*5	6'-6	3	*5	6'-9	3	*5	6'-9	3	*5	7'-0	3	*5	7'-3	4	*5	7'-6	4	*5	7'-9	4	*5	8'-0	4	*5	8'-3	4	*5	8'-3
a2	A	3	*5	7'-6	3	*5	7'-9	3	*5	8'-0	3	*5	8'-0	3	*5	8'-6	3	*5	9'-0	4	*5	9'-3	4	*5	9'-3	4	*5	9'-6	4	*5	10'-0
a3	A	3	*5	8'-9	3	*5	9'-0	3	*5	9'-0	3	*5	9'-3	3	*5	9'-6	4	*5	10'-3	3	*5	10'-9	4	*5	11'-0	4	*5	11'-3	4	*5	11'-3
a4	A	3	*5	9'-9	3	*5	10'-0	3	*5	10'-0	3	*5	10'-3	3	*5	10'-9	3	*5	11'-3	3	*5	11'-3	3	*5	11'-3	3	*5	11'-3	3	*5	11'-3
a5	A	3	*5	11'-0	3	*5	11'-3	3	*5	11'-0	3	*5	11'-6	3	*5	11'-9	3	*5	12'-6	3	*5	12'-9	3	*5	13'-6	3	*7	13'-9	4	*7	14'-3
a6	A	2	*6	12'-0	3	*6	12'-3	2	*6	12'-0	3	*6	12'-6	3	*6	12'-6	3	*7	13'-0	3	*7	13'-6	3	*7	13'-9	3	*7	14'-3	3	*7	15'-9
a7	A							2	*7	13'-3	2	*7	13'-9	3	*7	14'-0	3	*7	14'-6	3	*7	15'-0	3	*8	15'-6	3	*8	16'-0	3	*8	16'-6
a8	A	3	*5	6'-0	3	*5	6'-3	3	*5	6'-6	3	*5	6'-9	3	*5	7'-0	3	*5	7'-3	3	*5	7'-6	3	*5	8'-0	4	*5	8'-3	4	*5	8'-6
a9	A	3	*5	7'-9	3	*5	8'-3	3	*5	8'-6	3	*5	8'-9	3	*5	8'-9	3	*5	9'-0	3	*5	9'-3	3	*5	9'-9	3	*5	10'-3	3	*5	10'-9
a10	A	3	*5	9'-6	3	*5	10'-0	3	*5	10'-3	3	*5	10'-6	3	*5	10'-6	3	*5	11'-0	3	*5	11'-0	3	*6	11'-6	3	*6	12'-0	3	*6	12'-6
a11	A	3	*6	11'-3	3	*6	11'-9	2	*6	11'-9	2	*6	12'-3	3	*6	12'-3	3	*6	12'-6	3	*6	12'-9	3	*7	13'-6	3	*7	14'-0	3	*7	14'-6
a12	A							2	*7	13'-0	2	*7	13'-3	2	*7	13'-9	2	*7	14'-3	3	*7	14'-6	3	*8	15'-0	3	*8	15'-6	3	*8	16'-0
b1	str	2	*4	16'-6	2	*4	17'-6	2	*4	18'-6	2	*4	19'-6	2	*4	20'-9	2	*4	21'-9	2	*4	22'-9	2	*4	24'-0	2	*4	25'-0	2	*4	26'-0
b2	str	4	*4	16'-0	4	*4	17'-0	6	*4	18'-0	6	*4	19'-0	6	*4	20'-0	6	*4	21'-0	6	*4	22'-0	6	*4	23'-0	6	*4	24'-0	8	*4	25'-0
b3	str	2	*4	15'-6	2	*4	16'-3	2	*4	13'-6	2	*4	15'-0	2	*4	16'-6	2	*4	18'-0	2	*4	19'-9	2	*4	20'-9	2	*4	22'-6	2	*4	19'-6
b4	str	2	*4	11'-6	2	*4	12'-0	2	*4	9'-6	2	*4	10'-9	2	*4	12'-3	2	*4	13'-9	2	*4	15'-3	2	*4	16'-6	2	*4	18'-3	2	*4	15'-3
b5	str	2	*4	7'-6	2	*4	8'-0	2	*4	5'-6	2	*4	6'-9	2	*4	7'-9	2	*4	9'-6	2	*4	11'-0	2	*4	12'-3	2	*4	13'-9	2	*4	11'-3
b6	str	2	*4	3'-6	2	*4	4'-0	2	*4	1'-6	2	*4	2'-6	2	*4	3'-6	2	*4	5'-3	2	*4	6'-9	2	*4	8'-0	2	*4	9'-6	2	*4	7'-0
b7	str	2	*4	12'-3	2	*4	12'-9	2	*4	13'-3	2	*4	14'-0	2	*4	14'-6	2	*4	15'-0	2	*4	15'-6	2	*4	16'-0	2	*4	16'-9	2	*4	17'-3
b8	str	4	*4	11'-0	4	*4	11'-6	4	*4	12'-0	6	*4	12'-6	6	*4	13'-0	6	*4	13'-6	6	*4	14'-0	6	*4	14'-6	6	*4	15'-0	8	*4	15'-6
b9	str	2	*4	9'-6	2	*4	10'-6	2	*4	11'-6	2	*4	9'-6	2	*4	10'-6	2	*4	11'-6	2	*4	12'-3	2	*4	13'-3	2	*4	14'-0	2	*4	12'-6
b10	str	2	*4	7'-0	2	*4	7'-9	2	*4	8'-9	2	*4	7'-0	2	*4	7'-9	2	*4	8'-9	2	*4	9'-6	2	*4	10'-6	2	*4	11'-3	2	*4	9'-9
b11	str	2	*4	4'-3	2	*4	5'-3	2	*4	6'-3	2	*4	4'-6	2	*4	5'-3	2	*4	6'-3	2	*4	7'-0	2	*4	8'-0	2	*4	8'-9	2	*4	7'-0
b12	str	2	*4	1'-9	2	*4	2'-6	2	*4	3'-6	2	*4	1'-9	2	*4	2'-6	2	*4	3'-6	2	*4	4'-3	2	*4	5'-3	2	*4	6'-0	2	*4	4'-3
c	str	5	*4	10'-6	5	*4	11'-0	5	*4	11'-6	5	*4	12'-0	5	*4	12'-6	5	*4	13'-0	5	*4	13'-6	5	*4	14'-0	5	*4	14'-6	5	*4	15'-0
d	A	6	*6	12'-3	6	*6	12'-9	6	*6	13'-3	6	*7	13'-9	6	*7	14'-6	6	*7	15'-0	6	*7	15'-6	6	*8	16'-0	6	*8	16'-6	6	*8	17'-0
e1	C	3	*5	3'-3	3	*5	3'-3	3	*5	3'-3	3	*5	3'-3	3	*5	3'-6	3	*5	3'-6	4	*5	3'-6	4	*5	3'-9	4	*5	3'-9	4	*5	3'-9
e2	C	3	*5	3'-9	3	*5	3'-9	3	*5	4'-0	3	*5	3'-9	3	*5	4'-3	3	*5	4'-3	4	*5	4'-6	4	*5	4'-6	4	*5	4'-6	4	*5	4'-6
e3	C	3	*5	4'-3	3	*5	4'-6	3	*5	4'-6	3	*5	4'-6	3	*5	4'-9	3	*5	4'-9	3	*6	5'-3	4	*6	5'-3	4	*6	5'-6	4	*6	5'-6
e4	C	3	*5	5'-0	3	*5	5'-0	3	*5	5'-3	3	*5	5'-0	3	*5	5'-6	3	*5	5'-6	3	*6	6'-0	4	*7	7'-3	4	*7	7'-3	4	*7	7'-6
e5	C	2	*5	5'-6	3	*5	5'-6	3	*6	5'-9	3	*6	5'-6	3	*6	6'-0	3	*6	6'-3	3	*6	6'-6	3	*7	8'-0	3	*7	8'-0	3	*7	8'-6
e6	C	2	*6	6'-0	2	*6	6'-3	3	*7	7'-9	2	*7	7'-6	3	*7	7'-6	3	*7	7'-9	3	*7	8'-0	3	*7	8'-6	3	*7	8'-6	3	*8	9'-3
e7	C										2	*7	8'-3	2	*7	8'-3	3	*8	8'-6	3	*8	9'-3	3	*8	9'-6	3	*8	10'-0	3	*8	10'-3
e8	C	2	*6	6'-3	2	*6	6'-6	2	*7	8'-0	2	*7	8'-3	2	*7	8'-6	3	*8	9'-0	3	*8	9'-6	3	*8	9'-9	3	*8	10'-3	3	*8	10'-6
e9	C	10	*6	6'-3	10	*6	6'-6	11	*7	8'-0	11	*7	8'-3	12	*7	8'-6	12	*8	9'-0	13	*8	9'-6	13	*8	9'-9	14	*8	10'-3	14	*8	10'-6
e10	C	5	*6	6'-3	5	*6	6'-6	5	*7	8'-0	6	*7	8'-3	6	*7	8'-6	6	*8	9'-0	6	*8	9'-6	7	*8	9'-9	7	*8	10'-3	7	*8	10'-6
e11	C	2	*6	6'-0	3	*6	6'-3	3	*7	7'-9	2	*7	8'-0	2	*7	8'-6	2	*8	9'-3	3	*8	9'-6	3	*8	9'-9	3	*8	10'-0	3	*8	10'-3
e12	C	3	*5	5'-0	3	*5	5'-3	3	*6	5'-6	2	*6	6'-0	2	*6	6'-3	3	*6	6'-6	3	*7	7'-6	3	*7	7'-9	3	*7	8'-3	3	*7	8'-6
e13	C	3	*5	4'-0	3	*5	4'-3	3	*5	4'-3	3	*5	5'-0	3	*5	5'-6	3	*5	5'-6	3	*6	5'-9	3	*6	5'-9	3	*6	6'-0	3	*6	6'-3
e14	C	3	*5	3'-3	3	*5	3'-3	3	*5	3'-3	3	*5	4'-3	3	*5	4'-6	3	*5	4'-6	3	*5	4'-6	3	*5	4'-9	3	*5	4'-9	3	*5	5'-0
e15	C										3	*5	3'-3	3	*5	3'-6	3	*5	3'-6	3	*5	3'-6	3	*5	3'-6	3	*5	3'-9	4	*5	3'-9
f1	str	3	*4	4'-9	3	*4	4'-9	3	*4	5'-0	4	*4	5'-3	4	*4	5'-3	4	*4	5'-6	4	*4	5'-9	4	*4	5'-9	4	*4	6'-0	5	*4	6'-3
f2	str	3	*4	6'-6	3	*4	6'-6	3	*4	5'-9	3	*4	7'-3	4	*4	7'-3	4	*4	7'-9	4	*4	8'-0	4	*4	8'-0	4	*4	8'-3	4	*4	8'-9
f3	str	3	*4	8'-0	3	*4	8'-3	3	*4	8'-6	3	*4	9'-0	3	*4	9'-6	3	*4	9'-9	4	*4	10'-0	4	*4	10'-3	4	*4	10'-9	4	*4	11'-0
f4	str	2	*4	9'-9	3	*4	10'-0	3	*4	10'-3	3	*4	11'-0	3	*4	11'-6	3	*4	12'-0	4	*4	12'-3	4	*4	12'-6	4	*4	13'-0	4	*4	13'-6
f5	str	2	*4	4'-0	2	*4	4'-3	2	*4	4'-6	3	*4	4'-9	3	*4	5'-0	3	*4	5'-3	3	*4	5'-6	3	*4	5'-9	3	*4	6'-0	3	*4	6'-3
f6	str	2	*4	5'-9	2	*4	4'-6	2	*4	6'-6	2	*4	6'-9	2	*4	7'-3	2	*4	7'-6	3	*4	7'-9	3	*4	8'-3	3	*4	8'-6	3	*4	8'-9
f7	str	2	*4	7'-9	2	*4	8'-0	2	*4	8'-6	2	*4	9'-0	2	*4	9'-3	2	*4	9'-9	2	*4	10'-3	2	*4	10'-6	2	*4	11'-0	3	*4	11'-6
f8	str	2	*4	9'-6	2	*4	10'-0	2	*4	10'-6	2	*4	11'-0	2	*4	11'-6	2	*4	12'-0	2	*4	12'-6	2	*4	13'-0	2	*4	13'-6	2	*4	14'-0
g	str	6	*4	10'-0	6	*4	10'-6	6	*4	11'-0	6	*4	11'-6	6	*4	12'-0	6	*4	12'-6	6	*4	13'-0	6	*4	13'-6	6	*4	14'-3	6	*4	14'-9
m1	str	4	*4	18'-9	4	*4	19'-9	4	*4	21'-0	5	*4	22'-0	5	*4	23'-0	5	*4	24'-3	5	*4	25'-3	6	*4	26'-6	6	*4	27'-6	6	*4	28'-9
m2	str	1	*4	18'-9	1	*4	19'-9	1	*4	21'-0	1	*4	22'-0	1	*4	23'-0	1	*4	24'-3	1	*4	25'-3	1	*4	26'-6	1	*4	27'-6	1	*4	28'-9
m3	str	4	*4	17'-0	4	*4	17'-9	4	*4	18'-6	5	*4	19'-6	5	*4	20'-3	5	*4	21'-0	5	*4	22'-0	6	*4	22'-9	6	*4	23'-6	6</		